

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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TestAmerica Job ID: 240-49946-3 Client Project/Site: CBS Compton

For:

CBS Corporation 20 Stanwix Street Pittsburgh, Pennsylvania 15222-1384

Attn: Mr. Leo M. Brausch

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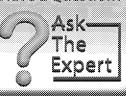
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

TEQ

Toxicity Equivalent Quotient (Dioxin)

bbreviation	These commonly used abbreviations may or may not be present in this report.
	Listed under the "D" column to designate that the result is reported on a dry weight basis
6R	Percent Recovery
FL	Contains Free Liquid
NF	Contains no Free Liquid
ER	Duplicate error ratio (normalized absolute difference)
il Fac	Dilution Factor
L, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
LC	Decision level concentration
1DA	Minimum detectable activity
DL	Estimated Detection Limit
1DC	Minimum detectable concentration
1DL	Method Detection Limit
1L	Minimum Level (Dioxin)
IC	Not Calculated
ID	Not detected at the reporting limit (or MDL or EDL if shown)
QL	Practical Quantitation Limit
C	Quality Control
ER	Relative error ratio
:L	Reporting Limit or Requested Limit (Radiochemistry)
PD	Relative Percent Difference, a measure of the relative difference between two points
EF	Toxicity Equivalent Factor (Dioxin)

Case Narrative

Client: CBS Corporation Project/Site: CBS Compton TestAmerica Job ID: 240-49946-3

Job ID: 240-49946-3

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: CBS Corporation

Project: CBS Compton

Report Number: 240-49946-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

The samples were received on 4/29/2015 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples WP-52 (240-49946-8), WP-53 (240-49946-9), WP-54 (240-49946-10), WP-55 (240-49946-11), WP-56 (240-49946-12), WP-57 (240-49946-13), WP-58 (240-49946-14), WP-59 (240-49946-15), WP-60 (240-49946-16), WP-61 (240-49946-17) and WP-62 (240-49946-18) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/30/2015 and analyzed on 05/02/2015 and 05/07/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for WP-55 (240-49946-11), and WP-59 (240-49946-15).

The following samples required a Silica Gel clean-up, via EPA Method 3630C, to reduce matrix interferences: WP-53 (240-49946-9), WP-55 (240-49946-11), WP-56 (240-49946-12), WP-58 (240-49946-14), and WP-59 (240-49946-15). Reagent: 1973791.

The following PCB wipe samples were inadvertently spiked with a Pesticide LCS spiking solution during the extraction process. Since the

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Case Narrative

Client: CBS Corporation Project/Site: CBS Compton

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Job ID: 240-49946-3 (Continued)

Laboratory: TestAmerica Canton (Continued)

samples are wipes and are consumed during extraction there is insufficient sample to perform a re-extraction. Silica gel clean-up was utilized in all samples extracts with PCB detections to reduce the chlorinated pesticide interferences; however, some pesticide peaks remain. The analyst examined chromatograms from both columns for each sample and compared them to the method blank and spiked blank, to ensure that the sample results are supported by the data. Aroclor 1260 has been reported in some samples based on the presence of the overall peak pattern and the presence of characteristic peaks at the correct retention times. The absence of Aroclors was determined by the lack of visible peak pattern and the absence of characteristic peaks at correct retention times: WP-52 (240-49946-8), WP-53 (240-49946-9), WP-54 (240-49946-10), WP-55 (240-49946-11), WP-56 (240-49946-12), WP-57 (240-49946-13), WP-58 (240-49946-15), WP-60 (240-49946-16), WP-61 (240-49946-17), and WP-62 (240-49946-18).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Method Summary

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

- -

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

E

Sample Summary

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-49946-8	WP-52	Wipe	04/27/15 13:59	04/29/15 09:45
240-49946-9	WP-53	Wipe	04/28/15 00:04	04/29/15 09:45
240-49946-10	WP-54	Wipe	04/28/15 00:15	04/29/15 09:45
240-49946-11	WP-55	Wipe	04/28/15 00:24	04/29/15 09:45
240-49946-12	WP-56	Wipe	04/28/15 00:31	04/29/15 09:45
240-49946-13	WP-57	Wipe	04/28/15 00:39	04/29/15 09:45
240-49946-14	WP-58	Wipe	04/28/15 00:41	04/29/15 09:45
240-49946-15	WP-59	Wipe	04/28/15 00:49	04/29/15 09:45
240-49946-16	WP-60	Wipe	04/28/15 00:55	04/29/15 09:45
240-49946-17	WP-61	Wipe	04/28/15 01:02	04/29/15 09:45
240-49946-18	WP-62	Wipe	04/28/15 01:16	04/29/15 09:45

TestAmerica Job ID: 240-49946-3

Client: CBS Corporation Project/Site: CBS Compton

Client Sample ID: WP-52

Lab Sample ID: 240-49946-8

No Detections.

Client Sample ID: WP-53 Lab Sample ID: 240-49946-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1.7	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

Client Sample ID: WP-54 Lab Sample ID: 240-49946-10

No Detections.

Client Sample ID: WP-55 Lab Sample ID: 240-49946-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	0.64	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

Client Sample ID: WP-56 Lab Sample ID: 240-49946-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1.7	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

Client Sample ID: WP-57 Lab Sample ID: 240-49946-13

No Detections.

Client Sample ID: WP-58 Lab Sample ID: 240-49946-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1.6	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

Client Sample ID: WP-59 Lab Sample ID: 240-49946-15

No Detections.

Client Sample ID: WP-60 Lab Sample ID: 240-49946-16

No Detections.

Client Sample ID: WP-61 Lab Sample ID: 240-49946-17

No Detections.

Client Sample ID: WP-62 Lab Sample ID: 240-49946-18

No Detections.

This Detection Summary does not include radiochemical test results.

Client: CBS Corporation Project/Site: CBS Compton TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-8

Matrix: Wipe

Client Sample ID: WP-52

Date Collected: 04/27/15 13:59 Date Received: 04/29/15 09:45

Method: 8082 - Polychlor Analyte		Qualifier	RL	MDL	-	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND -		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		52 - 162				04/30/15 08:07	05/02/15 00:29	
DCB Decachlorobiphenyl	88		35 ₋ 162				04/30/15 08:07	05/02/15 00:29	1

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-9

04/30/15 08:07 05/07/15 03:36

Matrix: Wipe

Client Sample ID: WP-53 Date Collected: 04/28/15 00:04

Date Received: 04/29/15 09:45

DCB Decachlorobiphenyl

Method: 8082 - Polychic	rinated Biphenyls	s (PCBs) b	y Gas Chron	natograj	ohy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1260	1.7	J	2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		52 - 162				04/30/15 08:07	05/07/15 03:36	

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Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-10

Matrix: Wipe

Client Sample ID: WP-54 Date Collected: 04/28/15 00:15 Date Received: 04/29/15 09:45

Method: 8082 - Polychlor			-		-	_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		52 - 162				04/30/15 08:07	05/02/15 00:57	1
DCB Decachlorobiphenyl	91		35 - 162				04/30/15 08:07	05/02/15 00:57	1

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-11

Matrix: Wipe

Date Collected: 04/28/15 00:24 Date Received: 04/29/15 09:45

Client Sample ID: WP-55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1260	0.64	J	2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	39	X	52 - 162				04/30/15 08:07	05/07/15 03:52	1
DCB Decachlorobiphenyl	96		35 ₋ 162				04/30/15 08:07	05/07/15 03:52	1

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Client Sample ID: WP-56

Lab Sample ID: 240-49946-12

Matrix: Wipe

Date Collected: 04/28/15 00:31 Date Received: 04/29/15 09:45

Method: 8082 - Polychlor Analyte		Qualifier	RL	MDL	-	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1260	1.7	J	2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		52 _ 162				04/30/15 08:07	05/07/15 04:09	
DCB Decachlorobiphenyl	90		35 ₋ 162				04/30/15 08:07	05/07/15 04:09	1

Client: CBS Corporation Project/Site: CBS Compton TestAmerica Job ID: 240-49946-3

Client Sample ID: WP-57

Lab Sample ID: 240-49946-13 Date Collected: 04/28/15 00:39 Matrix: Wipe

Date Received: 04/29/15 09:45

Method: 8082 - Polychlor	inated Biphenyl	s (PCBs) b	y Gas Chron	natograj	ohy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		52 - 162				04/30/15 08:07	05/02/15 01:39	1
DCB Decachlorobiphenyl	86		35 - 162				04/30/15 08:07	05/02/15 01:39	1





Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-14

Matrix: Wipe

Client Sample ID: WP-58 Date Collected: 04/28/15 00:41 Date Received: 04/29/15 09:45

Method: 8082 - Polychlor	inated Biphenyl:	s (PCBs) b	y Gas Chron	natograj	ohy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1260	1.6	J	2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		52 - 162				04/30/15 08:07	05/07/15 04:25	1
DCB Decachlorobiphenyl	92		35 - 162				04/30/15 08:07	05/07/15 04:25	1

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-15

Matrix: Wipe

Client Sample ID: WP-59 Date Collected: 04/28/15 00:49 Date Received: 04/29/15 09:45

Method: 8082 - Polychlor Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/07/15 04:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	34	X	52 - 162				04/30/15 08:07	05/07/15 04:42	1
DCB Decachlorobiphenyl	83		35 - 162				04/30/15 08:07	05/07/15 04:42	1

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Lab Sample ID: 240-49946-16

Matrix: Wipe

Date Collected: 04/28/15 00:55 Date Received: 04/29/15 09:45

Client Sample ID: WP-60

Method: 8082 - Polychlor	inated Biphenyl:	s (PCBs) b	y Gas Chron	natograj	ohy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		52 - 162				04/30/15 08:07	05/02/15 02:21	1
DCB Decachlorobiphenyl	85		35 - 162				04/30/15 08:07	05/02/15 02:21	1

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Client Sample ID: WP-61 Lab Sample

Lab Sample ID: 240-49946-17

Matrix: Wipe

Date Collected: 04/28/15 01:02 Date Received: 04/29/15 09:45

Method: 8082 - Polychlor	inated Biphenyl	s (PCBs) b	y Gas Chron	natogra	ohy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		52 - 162				04/30/15 08:07	05/02/15 02:35	1
DCB Decachlorobiphenyl	93		35 - 162				04/30/15 08:07	05/02/15 02:35	1



Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Client Sample ID: WP-62 Lab Sample ID: 240-49946-18

Date Collected: 04/28/15 01:16 Matrix: Wipe Date Received: 04/29/15 09:45

Method: 8082 - Polychlor	inated Biphenyls	s (PCBs) b	y Gas Chron	natogra	ohy				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 02:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		52 - 162				04/30/15 08:07	05/02/15 02:49	1
DCB Decachlorobiphenyl	89		35 ₋ 162				04/30/15 08:07	05/02/15 02:49	1

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TestAmerica Job ID: 240-49946-3

Client: CBS Corporation Project/Site: CBS Compton

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Wipe Prep Type: Total/NA

			Perce	nt Surrogate Recovery (Acceptance Limits)
		TCX1	DCB1	
Lab Sample ID	Client Sample ID	(52-162)	(35-162)	
240-49946-8	WP-52	100	88	
240-49946-10	WP-54	66	91	
240-49946-13	WP-57	65	86	
240-49946-16	WP-60	61	85	
240-49946-17	WP-61	96	93	
240-49946-18	WP-62	65	89	
_CS 240-178631/22-A	Lab Control Sample	68	86	
_CSD 240-178631/23-A	Lab Control Sample Dup	72	87	
MB 240-178631/21-A	Method Blank	57	88	

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Wipe Prep Type: Total/NA

		TCX2	DCB2	t Surrogate F
Lab Sample ID	Client Sample ID	(52-162)	(35-162)	
240-49946-9	WP-53	90	102	
240-49946-11	WP-55	39 X	96	
240-49946-12	WP-56	80	90	
240-49946-14	WP-58	85	92	
240-49946-15	WP-59	34 X	83	

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

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ED_002285B_00006487-00020

TestAmerica Job ID: 240-49946-3

Client: CBS Corporation Project/Site: CBS Compton

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Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-178631/21-A	Client Sample ID: Method Blank
Matrix: Wipe	Prep Type: Total/NA
Analysis Batch: 178944	Prep Batch: 178631
MB MB	·

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/30/15 08:07	05/02/15 03:03	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		52 - 162	04/30/15 08:07	05/02/15 03:03	1
DCB Decachlorobiphenyl	88		35 - 162	04/30/15 08:07	05/02/15 03:03	1

Lab Sample ID: LCS 240-178631/22-A

Matrix: Wipe

Analysis Batch: 178944

Spike

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Prep Batch: 178631

Spike

LCS LCS

Rec.

Analysis Los LCS

Rec.

- 1		- 1						
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
	Aroclor-1016	10.0	7.38		ug/Wipe		74	56 - 160
	Aroclor-1260	10.0	7.39		ug/Wipe		74	60 - 151

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	68		52 - 162
DCB Decachlorobiphenyl	86		35 - 162

Aroclor-1260

Lab Sample ID: LCSD 240-178631/23-A	Client Sample ID: Lab Control Sample Dup								
Matrix: Wipe							Prep Ty	pe: Tot	al/NA
Analysis Batch: 178944							Prep Ba	itch: 1	78631
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aroclor-1016	10.0	7.42		ug/Wipe		74	56 - 160	1	30

7.41

ug/Wipe

10.0

	LCSD LCSD	
Surrogate	%Recovery Qualifier	Limits
Tetrachloro-m-xylene	72	52 - 162
DCP Docardlorobinhanyl	87	25 162

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60 - 151

QC Association Summary

Client: CBS Corporation
Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

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Prep Batch: 178631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-8	WP-52	Total/NA	Wipe	3540C	
240-49946-9	WP-53	Total/NA	Wipe	3540C	
240-49946-10	WP-54	Total/NA	Wipe	3540C	
240-49946-11	WP-55	Total/NA	Wipe	3540C	
240-49946-12	WP-56	Total/NA	Wipe	3540C	
240-49946-13	WP-57	Total/NA	Wipe	3540C	
240-49946-14	WP-58	Total/NA	Wipe	3540C	
240-49946-15	WP-59	Total/NA	Wipe	3540C	
240-49946-16	WP-60	Total/NA	Wipe	3540C	
240-49946-17	WP-61	Total/NA	Wipe	3540C	
240-49946-18	WP-62	Total/NA	Wipe	3540C	
LCS 240-178631/22-A	Lab Control Sample	Total/NA	Wipe	3540C	
LCSD 240-178631/23-A	Lab Control Sample Dup	Total/NA	Wipe	3540C	
MB 240-178631/21-A	Method Blank	Total/NA	Wipe	3540C	

Analysis Batch: 178944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-8	WP-52	Total/NA	Wipe	8082	178631
240-49946-10	WP-54	Total/NA	Wipe	8082	178631
240-49946-13	WP-57	Total/NA	Wipe	8082	178631
240-49946-16	WP-60	Total/NA	Wipe	8082	178631
240-49946-17	WP-61	Total/NA	Wipe	8082	178631
240-49946-18	WP-62	Total/NA	Wipe	8082	178631
LCS 240-178631/22-A	Lab Control Sample	Total/NA	Wipe	8082	178631
LCSD 240-178631/23-A	Lab Control Sample Dup	Total/NA	Wipe	8082	178631
MB 240-178631/21-A	Method Blank	Total/NA	Wipe	8082	178631

Analysis Batch: 179642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-49946-9	WP-53	Total/NA	Wipe	8082	178631
240-49946-11	WP-55	Total/NA	Wipe	8082	178631
240-49946-12	WP-56	Total/NA	Wipe	8082	178631
240-49946-14	WP-58	Total/NA	Wipe	8082	178631
240-49946-15	WP-59	Total/NA	Wipe	8082	178631

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Client: CBS Corporation Project/Site: CBS Compton

Lab Sample ID: 240-49946-8

Matrix: Wipe

Client Sample ID: WP-52 Date Collected: 04/27/15 13:59 Date Received: 04/29/15 09:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	178944	05/02/15 00:29	LSH	TAL CAN

Lab Sample ID: 240-49946-9 Client Sample ID: WP-53

Matrix: Wipe

Date Collected: 04/28/15 00:04 Date Received: 04/29/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	179642	05/07/15 03:36	LSH	TAL CAN

Client Sample ID: WP-54 Lab Sample ID: 240-49946-10

Matrix: Wipe

Date Collected: 04/28/15 00:15 Date Received: 04/29/15 09:45

Batch Batch Dilution Batch Prepared Method Run Factor Number or Analyzed Analyst Prep Type Туре Lab 3540C 178631 04/30/15 08:07 CS Total/NA Prep TAL CAN Total/NA Analysis 8082 1 178944 05/02/15 00:57 LSH TAL CAN

Client Sample ID: WP-55 Lab Sample ID: 240-49946-11

Date Collected: 04/28/15 00:24 Matrix: Wipe

Date Received: 04/29/15 09:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	179642	05/07/15 03:52	LSH	TAL CAN

Client Sample ID: WP-56 Lab Sample ID: 240-49946-12

Date Collected: 04/28/15 00:31 Matrix: Wipe Date Received: 04/29/15 09:45

	Batch	Batch		Dilution Batch		Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	179642	05/07/15 04:09	LSH	TAL CAN

Client Sample ID: WP-57 Lab Sample ID: 240-49946-13

Date Collected: 04/28/15 00:39 Matrix: Wipe

Date Received: 04/29/15 09:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	178944	05/02/15 01:39	LSH	TAL CAN

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5/12/2015

TestAmerica Job ID: 240-49946-3

Client Sample ID: WP-58 Lab Sample ID: 240-49946-14 Date Collected: 04/28/15 00:41

Matrix: Wipe

Date Received: 04/29/15 09:45

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3540C 178631 04/30/15 08:07 CS TAL CAN Total/NA Analysis 8082 179642 05/07/15 04:25 LSH TAL CAN 1

Client Sample ID: WP-59 Lab Sample ID: 240-49946-15

Date Collected: 04/28/15 00:49 Matrix: Wipe

Date Received: 04/29/15 09:45

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	179642	05/07/15 04:42	LSH	TAL CAN

Client Sample ID: WP-60 Lab Sample ID: 240-49946-16

Date Collected: 04/28/15 00:55

Date Received: 04/29/15 09:45

Prep Typ	Batch e Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	178944	05/02/15 02:21	LSH	TAL CAN

Lab Sample ID: 240-49946-17 Client Sample ID: WP-61

Date Collected: 04/28/15 01:02

Date Received: 04/29/15 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
Total/NA	Analysis	8082		1	178944	05/02/15 02:35	LSH	TAL CAN

Client Sample ID: WP-62 Lab Sample ID: 240-49946-18

Date Collected: 04/28/15 01:16

Date Received: 04/29/15 09:45

[-	Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
	Total/NA	Prep	3540C			178631	04/30/15 08:07	CS	TAL CAN
	Total/NA	Analysis	8082		1	178944	05/02/15 02:49	LSH	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

Matrix: Wipe

Matrix: Wipe

Matrix: Wipe

Certification Summary

Client: CBS Corporation Project/Site: CBS Compton

TestAmerica Job ID: 240-49946-3

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *

TestAmerica Canton

ED_002285B_00006487-00025

^{*} Certification renewal pending - certification considered valid.



TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



Page 26 of 29 5/12/2015 4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

	WSP CHAIN.OF.CIISTONY RECORD		***	H. F. F. C.	J-0	
WSP Office Address		1	Kedne	Requested Analysis	rage t of Z	
<u> </u>	Pitsburg, PA	- 0			No 000286	
Project Name & Location CBS Comptv	1	70 7	90d 1			
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ہے	WSP Contact Phone @wspgroup.com	$\neg \neg$			LEVEL II ERIMS EDD	
5	(571,) 239- 6417		P.	Preservative		
Sample ID	Compl Collection Date Collection Time Watrix Grab Start* Stop Start*	No. of NA	0		Sample Comments	
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CC- 15160-N10	4/24/15 2111 B	<u>×</u>			-	6
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Jup-55	0412811S 0024 W	A. A	×		3 Day TAT.	
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WP-58	00 1 100 CH 1 M	سجين				
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Relipquished By (Signature) Date	ved by (Signature)	(Pine	Method of Shipment	┪	Shipping Date No. of Coolers	
1/28	Q.	8	counter		N	
Sample Condition (Laboratory Use Only)	Temp in °C Received on Ice Sealed Cooler Sample Intact	Additional Comments				
			429115	2 345	-	
Matrix: GW = Groundwater S = Soil SE = Sediment S	ose sour and soup unertate for composite and air samples, include single start time and date for all other samples. Matrix: GW = Groundwater S = Soil SE = Sediment SW = Surface Water WW = Wastewater A = Air W = Wipe B = Bulk Bi = Biota O = Other (detail in comments)	r (detail in commen				
Preservation: I = ke H = HCl N = HNO ₃ S = H ₂ SO ₂ NO = NaOH O = Other (detail in comments)	NO = NaOH O = Other (detail in comments)		7	PCAIL IRMNE 04/28115, 14:50.	115,14:50.	
	CTC/C5 4/28/15	1/2(5	TWI THY	11-3/1 3/2 10 5		
	1	ン		1	<u> </u>	

Ref: SOP NC-SC-0005, Sample Receiving
X:\X-Drive Document Control\SOPs\Work Instructions\Word Version Work Instructions\WI-NC-099P-042315 Cooler Receipt Form.doc djl